

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Hideki NAKAHARA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0248A  
Filed February 27, 2006 :

WIRELESS TRANSMISSION SYSTEM AND  
WIRELESS TRANSMISSION METHOD AND  
WIRELESS STATION AND TRANSMITTING  
STATION FOR USE THEREIN

[Corresponding to PCT/JP2005/017568  
Filed September 16, 2005]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the  
above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

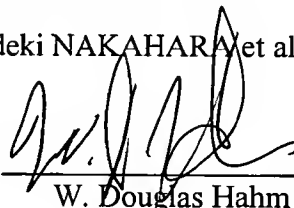
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at page 6,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:  
JP 2 764 150 corresponds to US 5,652,765.
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Hideki NAKAHARA et al.

By



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February 27, 2006

IAP20 REGISTRATION 27 FEB 2006

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2006\_0248A

SERIAL NO.

10/569491

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 27, 2006

APPLICANT  
Hideki NAKAHARA et al.FILING DATE  
February 27, 2006

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2001/0024434	09/01	Ayyagari et al.			
	AB	5,652,765	07/97	Adachi et al.			
	AC	2001/0019592	09/01	Solondz			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	1 576 347 A	10/80	GB			
	AK	2 237 706 A	05/91	GB			
	AL	2 764 150	06/98	JP			
	AM	2 506 748	06/96	JP			Abstract
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	H. Takai, "BER Performance of Anti-Multipath Modulation Scheme PSK-VP and its Optimum Phase-Waveform", IEEE, Trans. Veh. Technol., Vol. VT-42, November 1993, pp. 625-640.
	AP	S. Ariyavisitakul, S. Yoshida, F. Ikegami, K. Tanaka, T. Takeuchi, "A Power-efficient linear digital modulator and its application to an anti-multipath modulation PSK-RZ scheme", Proceedings of IEEE Vehicular Technology Conference 1987, June 1987, pp. 66-71.
	AQ	S. Ariyavisitakul, S. Yoshida, F. Ikegami, T. Takeuchi, "A Novel Anti-Multipath Modulation Technique DSK", IEEE Trans. Communication, Vol. COM-35, No. 12, December 1987, pp. 1252-1264.

EXAMINER /David Huang/

DATE CONSIDERED 06/03/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DSH/